



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gopinath Kuduvalli et al. Examiner:  
Serial No.: 10/652,785 Group Art Unit: 3737  
Filing Date: August 29, 2003  
Title: IMAGE GUIDED RADIOSURGERY METHOD AND  
APPARATUS USING REGISTRATION OF 2D  
RADIOGRAPHIC IMAGES WITH DIGITALLY  
RECONSTRUCTED RADIOGRAPHS OF 3D SCAN DATA  
Docket Number: 63564-063 (ACCL-128)

CERTIFICATE OF MAILING (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail under 37 CFR 1.8(a) in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Date: 04-14-04

Elsie Saraglow  
Elsie Saraglow

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

TRANSMITTAL LETTER

Enclosed herewith for filing in connection with the above-identified patent application are the following:

- 1) Information Disclosure Statement;
- 2) Form PTO-A820 (also form 1449);
- 3) Copies of publications listed on Form PTO-1449; and
- 4) Acknowledgment Postcard.

Respectfully submitted,

Date: 04-14-04

Elizabeth E. Kim

Elizabeth E. Kim  
Registration No. 43,334  
McDermott, Will & Emery  
28 State Street  
Boston, MA 02109  
(617) 535-4411  
(617) 535-3800 (Fax)  
ekim@mwe.com



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Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Applicants and their attorney are aware of the following publications and information, listed on the attached Form PTO-A820, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration. This Statement is being filed more than three months after the filing date of the application, but before the receipt of any Official Action from the Patent and Trademark Office. A full copy of each cited publication is enclosed.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publications herein be construed *per se* as a representation that such publications are prior art. Moreover, the Applicants understand that the Examiner will make an independent evaluation of the cited publications.

U.S.S.N. 10/652,785  
April 14, 2004  
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No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge any necessary fees to our Deposit Account No. 50-1133.

Respectfully submitted,

Date: 04-14-04

Elizabeth E. Kim

Elizabeth E. Kim  
Registration No. 43,334  
McDermott, Will & Emery  
28 State Street  
Boston, MA 02109  
(617) 535-4411  
(617) 535-3800 (Fax)  
ekim@mwe.com

 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <small>(use as many sheets as necessary)</small>					<b>Application Number</b>	10/652,785	
					<b>Filing Date</b>	August 29, 2003	
					<b>First Named Inventor</b>	Gopinath Kuduvalli	
					<b>Group Art Unit</b>	3737	
					<b>Examiner Name</b>		
					<b>Attorney Docket Number</b>	63564-063 (ACCL-128)	

<b>U.S. PATENT DOCUMENTS</b>								
<b>Exam Initials</b>	<b>Cite No.</b>	<b>U.S. Patent Document No.</b>	<b>Issue Date</b>	<b>Name of Patentee(s) or Applicant(s)</b>	<b>Class</b>	<b>Sub Class</b>	<b>Filing Date If Appropriate</b>	

<b>FOREIGN PATENT DOCUMENTS</b>								
<b>Exam Initials</b>	<b>Cite No.</b>	<b>Foreign Patent Document Office Number</b>	<b>Name of Patentee(s) or Applicant(s)</b>	<b>Date of Publication</b>	<b>Translation Yes No</b>			

<b>OTHER NON PATENT LITERATURE DOCUMENTS</b>								
<b>Exam Initials</b>	<b>Cite No.</b>	<b>Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.</b>						
	A1	Graeme P. Penney, et al., "Validation of a two- to three-dimensional registration algorithm for aligning preoperative CT images and intraoperative fluoroscopy images," <i>Med. Phys.</i> 28(6), 1024-1032, June 2001.						
	A2	D. Sarrut, et al., "Patient positioning in radiotherapy by registration of 2D portal to 3D CT images by a contend-based research with similarity measures," <i>CARS 2000</i> , 707-712.						
	A3	Martin J. Murphy, "An automatic six-degree-of-freedom image registration algorithm for image-guided frameless stereotaxic radiosurgery," <i>Med. Phys.</i> 24(6), 857-866, June 1997.						

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, U.S.S.N. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

<b>Examiner Signature</b>		<b>Date Considered</b>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.